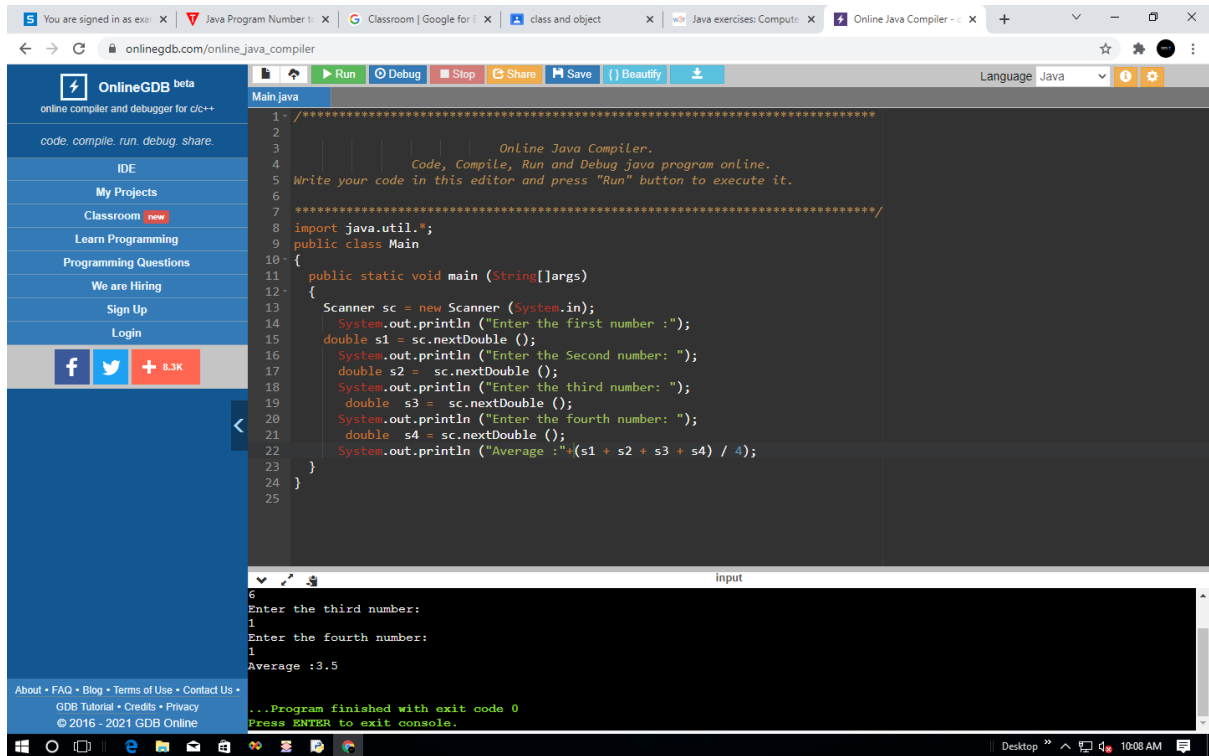


1.) Print the average of three numbers entered by user by creating a class named `Average` having a method to calculate and print the average.



The screenshot shows the OnlineGDB IDE interface. The left sidebar contains navigation links: IDE, My Projects, Classroom (new), Learn Programming, Programming Questions, We are Hiring, Sign Up, and Login. The main editor displays a Java program that prompts the user to enter four numbers and calculates their average. The program is as follows:

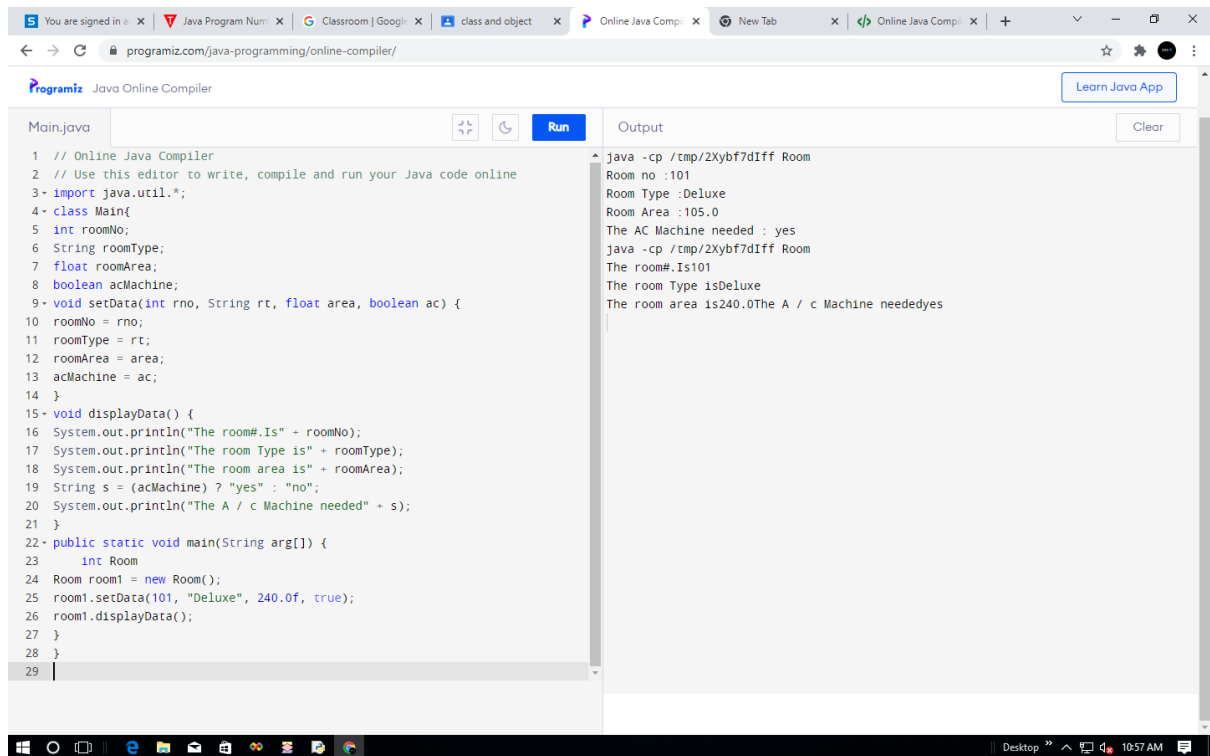
```
1. //*****
2.
3. Online Java Compiler.
4. Code, Compile, Run and Debug java program online.
5. Write your code in this editor and press "Run" button to execute it.
6.
7. //*****
8. import java.util.*;
9. public class Main
10. {
11.     public static void main (String[] args)
12.     {
13.         Scanner sc = new Scanner (System.in);
14.         System.out.println ("Enter the first number :");
15.         double s1 = sc.nextDouble ();
16.         System.out.println ("Enter the Second number: ");
17.         double s2 = sc.nextDouble ();
18.         System.out.println ("Enter the third number: ");
19.         double s3 = sc.nextDouble ();
20.         System.out.println ("Enter the fourth number: ");
21.         double s4 = sc.nextDouble ();
22.         System.out.println ("Average :"+(s1 + s2 + s3 + s4) / 4);
23.     }
24. }
25.
```

The input/output window at the bottom shows the following interaction:

```
input
Enter the first number:
1
Enter the second number:
1
Enter the third number:
1
Enter the fourth number:
1
Average :3.5
...Program finished with exit code 0
Press ENTER to exit console.
```

The Windows taskbar at the bottom indicates the time is 10:08 AM on a desktop.

2.) Write a program to create a room class, the attributes of this class is roomno, roomtype, roomarea and ACmachine. In this class the member functions are setdata and displaydata.



The screenshot shows a web browser window with the URL `programiz.com/java-programming/online-compiler/`. The page title is "Programiz Java Online Compiler". There is a "Run" button and a "Clear" button. The code editor contains the following Java code:

```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3 import java.util.*;
4 class Main{
5     int roomNo;
6     String roomType;
7     float roomArea;
8     boolean acMachine;
9     void setData(int rno, String rt, float area, boolean ac) {
10         roomNo = rno;
11         roomType = rt;
12         roomArea = area;
13         acMachine = ac;
14     }
15     void displayData() {
16         System.out.println("The room#.Is" + roomNo);
17         System.out.println("The room Type is" + roomType);
18         System.out.println("The room area is" + roomArea);
19         String s = (acMachine) ? "yes" : "no";
20         System.out.println("The A / c Machine needed" + s);
21     }
22     public static void main(String arg[]) {
23         int Room
24         Room room1 = new Room();
25         room1.setData(101, "Deluxe", 240.0f, true);
26         room1.displayData();
27     }
28 }
29
```

The output window shows the following text:

```
java -cp /tmp/2Xybf7dIff Room
Room no :101
Room Type :Deluxe
Room Area :105.0
The AC Machine needed : yes
java -cp /tmp/2Xybf7dIff Room
The room#.Is101
The room Type isDeluxe
The room area is240.0The A / c Machine neededyes
```